

RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number:	09/889,6/7
Source:	PUT/09 RUSH
Date Processed by STIC:	8/26/2002
•	

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS. PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216. PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax) PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail. Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom. Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

- 1. EFS-Bio (http://www.uspto.gov/ebc/efs/downloads/documents.htm, EFS Submission User Manual ePAVE)
- 2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
- Hand Carry directly to:
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 - U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
- 4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002



Purlog

RAW SEQUENCE LISTING

DATE: 08/26/2002

PATENT APPLICATION: US/09/889,617

TIME: 14:07:23

Input Set : A:\pf066lusn_seqlist.txt
Output Set: N:\CRF3\08262002\I889617.raw

```
<110> APPLICANT: INCYTE PHARMACEUTICALS, INC.
 5
         HILLMAN, Jennifer L.
          YUE, Henry
 h
          Y. Tom Tang
         AZIMZAI, Yalda
10 <120 > TITLE OF INVENTION: CANCER ASSOCIATED PROTEINS
12 <130> FILE REFERENCE: PF-0661 PCT
14 <140> CURRENT APPLICATION NUMBER: US/09/889,617
15 <141> CURRENT FILING DATE: 2002-08-26
17 <150> PRIOR APPLICATION NUMBER: 09/236,205
18 <151> PRIOR FILING DATE: 1999-01-22
20 <160 > NUMBER OF SEQ ID NOS: 9
22 <170> SOFTWARE: PERL Program
24 <210 > SEQ ID NO: 1
25 <211> LENGTH: 465
26 <212> TYPE: PRT
27 <213 > ORGANISM: Homo sapiens
29 <220> FEATURE:
30 <221> NAME/KEY: misc_feature
31 \langle 223 \rangle OTHER INFORMATION: Incyte ID No: 1518859CD1
33 < 400 > SEOUENCE: 1
34 Met Ala Ser Gln Leu Thr Gln Arg Gly Ala Leu Phe Leu Leu Phe
36 Phe Leu Thr Pro Ala Val Thr Pro Thr Trp Tyr Ala Gly Ser Gly
                     20
                                          25
38 Tyr Tyr Pro Asp Glu Ser Tyr Asn Glu Val Tyr Ala Glu Glu Val
                     35
                                          40
40 Pro Gln Ala Pro Ala Leu Asp Tyr Arg Val Pro Arg Trp Cys Tyr
                                          55
                     50
42 Thr Leu Asn Ile Gln Asp Gly Glu Ala Thr Cys Tyr Ser Pro Lys
                                          70
43
                     65
44 Gly Gly Asn Tyr His Ser Ser Leu Gly Thr Arg Cys Glu Leu Ser
45
                     80
46 Cys Asp Arg Gly Phe Arg Leu Ile Gly Arg Arg Ser Val Gln Cys
                     95
                                         100
48 Leu Pro Ser Arg Arg Trp Ser Gly Thr Ala Tyr Cys Arg Gln Met
                                         115
                    110
50 Arg Cys His Ala Leu Pro Phe Ile Thr Ser Gly Thr Tyr Thr Cys
                    125
                                         130
52 Thr Asn Gly Val Leu Leu Asp Ser Arg Cys Asp Tyr Ser Cys Ser
                                         145
                    140
54 Ser Gly Tyr His Leu Glu Gly Asp Arg Ser Arg Ile Cys Met Glu
55
                    155
                                         160
```

Does No Comply
Corrected Dischatte Needel

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,617 TIME: 14:07:23

DATE: 08/26/2002

Input Set : A:\pf066lusn_seqlist.txt
Output Set: N:\CRF3\08262002\1889617.raw

56 Asp Gly Arg Trp Ser Gly Gly Glu Pro Val Cys Val Asp Ile Asp 170 175 58 Pro Pro Lys Ile Arg Cys Pro His Ser Arg Glu Lys Met Ala Glu 59 185 190 60 Pro Glu Lys Leu Thr Ala Arg Val Tyr Trp Asp Pro Pro Leu Val 61 62 Lys Asp Ser Ala Asp Gly Thr Ile Thr Arg Val Thr Leu Arg Gly 63 64 Pro Glu Pro Gly Ser His Phe Pro Glu Gly Glu His Val Ile Arg 65 230 235 66 Tyr Thr Ala Tyr Asp Arg Ala Tyr Asn Arg Ala Ser Cys Lys Phe 245 250 68 Ile Val Lys Val Gln Val Arg Arg Cys Pro Thr Leu Lys Pro Pro 260 265 70 Gln His Gly Tyr Leu Thr Cys Thr Ser Ala Gly Asp Asn Tyr Gly 71 275 780 72 Ala Thr Cys Glu Tyr His Cys Asp Gly Gly Tyr Asp Arg Gln Gly 295 290 74 Thr Pro Ser Arg Val Cys Gln Ser Ser Arg Gln Trp Ser Gly Ser 75 305 310 76 Pro Pro Ile Cys Ala Pro Met Lys Ile Asn Val Asn Val Asn Ser 77 320 325 78 Ala Ala Gly Leu Leu Asp Gln Phe Tyr Glu Lys Gln Arg Leu Leu 335 340 80 Ile Ile Ser Ala Pro Asp Pro Ser Asn Arg Tyr Tyr Lys Met Gln 350 355 82 Ile Ser Met Leu Gln Gln Ser Thr Cys Gly Leu Asp Leu Arg His 365 370 84 Val Thr Ile Ile Glu Leu Val Gly Gln Pro Pro Gln Glu Val Gly 380 385 86 Arg Ile Arg Glu Gln Gln Leu Ser Ala Asn Ile Ile Glu Glu Leu 87 395 400 88 Arg Gln Phe Gln Arg Leu Thr Arg Ser Tyr Phe Asn Met Val Leu 415 410 90 Ile Asp Lys Gln Gly Ile Asp Arg Asp Arg Tyr Met Glu Pro Val 425 430 92 Thr Pro Glu Glu Ile Phe Thr Phe Ile Asp Asp Tyr Leu Leu Ser 440 445 94 Asn Gln Glu Leu Thr Gln Arg Arg Glu Gln Arg Asp Ile Cys Glu 95 455 460 465 98 <210> SEQ ID NO: 2 99 <211> LENGTH: 400 100 <:212> TYPE: PRT 101 <213> ORGANISM: Homo sapiens 103 -(220> FEATURE: $104 \cdot 221$ NAME/KEY: misc_feature 105 <223> OTHER INFORMATION: Incyte ID No: 2616269CD1 107 <400> SEQUENCE: 2 108 Met Ala Ala Arg Glu Ser Ala Ala Arg Pro Ala Ala Gly Pro Ala RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,617

DATE: 08/26/2002 TIME: 14:07:23

Input Set : A:\pf066lusn_seqlist.txt
Output Set: N:\CRF3\08262002\1889617.raw

109	1				5					10					15
110	Leu	Trp	Arg	Leu	Pro	Glu	Glu	Leu	Leu	Leu	Leu	lle	Cys	Ser	Tyr
111					20					25					30
112	Leu	Asp	Met	Arg	Alla	Leu	Gly	Arg	Leu	Ala	Gln	Val	Cys	Arg	Trp
113					35					40					45
114	Leu	Arg	Arg	Phe	Thr	Ser	Cys	Asp	Leu	Leu	Trp	Arg	Arg	Ile	Ala
115					50					55					60
116	Arg	Ala	Ser	Leu	Asn	Ser	Gly	Phe	Thr	Arg	Leu	Gly	Thr	Asp	Leu
117					65					70					75
118	Met	Thr	Ser	Val	Pro	Val	Lys	Glu	Arg	Val	Lys	Val	Ser	Gln	Asn
119					80					85					90
120	Trp	Arg	Leu	Gly	Arg	Cys	Arg	Glu	Gly	Ile	Leu	Leu	Lys	Trp	Arg
121					95					100					105
122	Cys	Ser	Gln	Met	Pro	Trp	Met	Gln	Leu	Glu	Asp	Asp	Ser	Leu	Tyr
123					110					115					120
124	Ile	Ser	Gln	Ala	Asn	Phe	Ile	Leu	Ala	Tyr	Gln	Phe	Arg	Pro	Asp
125					125					130					135
126	Gly	Ala	Ser	Leu	Asn	Arg	Arg	Pro	Leu	Gly	Val	Phe	Ala	Gly	His
127					140					145					150
128	Asp	Glu	Asp	Val	Cys	His	Phe	Val	Leu	Ala	Asn	Ser	His	Ile	Val
129	=				155					160					165
130	Ser	Ala	Gly	Gly	Asp	Gly	Lys	Ile	Gly	Ile	His	Lys	Ile	His	Ser
131					170					175					180
132	Thr	Phe	Thr	Val	Lys	Tyr	Ser	Ala	His	Glu	Gln	Glu	Val	Asn	Cys
133					185					190					195
134	Val	Asp	Cys	Lys	Gly	Gly	Ile	Ile	Val	Ser	Gly	Ser	Arg	Asp	Arg
135					200					205					210
136	Thr	Ala	Lys	Val	Trp	Pro	Leu	Ala	Ser	Gly	Arg	Leu	Gly	Gln	Cys
1.37					215					220					225
138	Leu	His	Thr	Ile	Gln	Thr	Glu	Asp	Arg	Val	Trp	Ser	Ile	Ala	Ile
139					230					235					240
140	Ser	Pro	Leu	Leu	Ser	Ser	Phe	Val	Thr	Gly	Thr	Ala	Cys	Cys	Gly
141					245					250					255
142	His	Phe	Ser	Pro	Leu	Arg	Ile	Trp	Asp	Leu	Asn	Ser	Gly	Gln	Leu
143					260					265					270
144	Met	Thr	His	Leu	Gly	Ser	Asp	Phe	Pro	Pro	Gly	Ala	Gly	Val	Leu
145					≟ 75					280					285
146	Asp	Val	Met	Tyr	GLu	Ser	Pro	Phe	Thr	Leu	Leu	Ser	Cys	Gly	Tyr
147					290					295					300
148	Asp	Thr	Tyr	Val	Arg	Tyr	Trp	Asp	Leu	Arg	Thr	Ser	Val	Arg	Lys
149					305					310					315
150	Cys	Val	Met	Glu	Trp	Glu	Glu	Pro	His	Asp	Ser	Thr	Leu	Tyr	Cys
151					320					325					3.30
152	Leu	Gln	Thr	Asp	Gly	Asn	His	Leu	Leu	Ala	Thr	Gly	Ser	Ser	Tyr
153					335					340					345
154	Tyr	Gly	Val	Val	Arg	Leu	Trp	Asp	Arg	Arg	Gln	Arg	Ala	Cys	
155					350					355					360
156	His	Ala	Phe	Pro	Leu	Thr	Ser	Thr	Pro	Leu	Ser	Ser	Pro	Val	
157					365					370					375

DATE: 08/26/2002

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,617 TIME: 14:07:23

Input Set : A:\pf066lusn_seqlist.txt
Output Set: N:\CRF3\08262002\1889617.raw

158 Cys Leu Arg Leu Thr Thr Lys His Leu Tyr Ala Ala Leu Ser Tyr 385 159 380 160 Asn Leu His Val Leu Asp Phe Gln Asn Pro 395 164 -0.10 > SEQ ID NO: 3 165 -: 211> LENGTH: 146 166 <212 TYPE: PRT 167 <213 - ORGANISM: Homo sapiens 169 -(220 > FEATURE: 170 <221 > NAME/KEY: misc_feature 171 <223> OTHER INFORMATION: Incyte ID No: 3117642CD1 173 <400> SEQUENCE: 3 174 Met Gly Phe Leu Arg Arg Leu Ile Tyr Arg Arg Arg Pro Met Ile 175 176 Tyr Val Glu Ser Ser Glu Glu Ser Ser Asp Glu Gln Pro Asp Glu 177 20 25 178 Val Glu Ser Pro Thr Gln Ser Gln Asp Ser Thr Pro Ala Glu Glu 179 40 180 Arg Glu Asp Glu Gly Ala Ser Ala Ala Gln Gly Gln Glu Pro Glu 181 50 55 182 Ala Asp Ser Gln Glu Leu Val Gln Pro Lys Thr Gly Cys Glu Leu 65 7.0 184 Gly Asp Gly Pro Asp Thr Lys Arg Val Cys Leu Arg Asn Glu Glu 80 85 186 Gln Met Lys Leu Pro Ala Glu Gly Pro Glu Pro Glu Ala Asp Ser 187 95 100 188 Gln Glu Gln Val His Pro Lys Thr Gly Cys Glu Arg Gly Asp Gly 115 110 190 Pro Asp Val Glu Glu Leu Gly Leu Pro Asn Pro Glu Glu Val Lys 125 130 191 192 Thr Pro Glu Glu Asp Glu Gly Gln Ser Gln Pro 193 140 196 <210 > SEQ ID NO: 4 197 <211> LENGTH: 2152 198 <212> TYPE: DNA 199 <213> ORGANISM: Homo sapiens 201 <220> FEATURE: 202 <221 > NAME/KEY: misc_feature 203 <223> OTHER INFORMATION: Incyte ID No: 1518859CB1 205 + 400 > SEQUENCE: 4 20% ctycagcaga eggaetgagt teetetaate eetgtgttee tteteeceea tetttetaaa - ± 0.07 accettetet gagagaggaa taactatage tteagggata atatagettt aaggaaactt 120208 thggcagatg tggacgtcgt aacatotggg cagtgttaac agaatooogg aggccgggac 180 209 ayaccaygag ccacteqtte taggaatgtt aaagtagaag gtttttteca attgatgaga 240210 gqagcaqaya ggaaggagaa agaggaggag agagaaaaag ggcacaaaat accataaaac $300\,$ 211 agateceata titetgette eceteaetti tagaagitaa tigatggetg aetietgaaa 360 212 gloactitice titigocotigg tacticagge catalacate tititotigic tocataatee 420 213 tecettteaa ggatggeeag teagetaaet eaaagaggag etetettet getgttette 480 214 chaacteegg cagtgacace aacatggtat geaggttetg getactatee ggatgaaage 540

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/889,617

DATE: 08/26/2002 TIME: 14:07:23

Input Set : A:\pf066lusn_seqlist.txt
Output Set: N:\CRF3\08262002\I889617.raw

215	tacaatgaag	tatatgcaga	ggaggtccca	caggctcctg	ccctqqacta	ccgagtcccc	600
91 h	cdatagtatt.	atacattaaa	tatccaggat	qqaqaagcca	catgetacte	accgaaggga	6 ti ()
.117	ggaaattatc	acagcagcct	gggcacgcgt	tgtgagctct	cctgtgaccg	gggctttcga	720
118	ttgattggaa	agaggtcggt	gcaatgcctg	ccaagccgtc	gtt.ggtctgg	aactgcctac	780
.:19	tacaaacaaa	tgagatgcca	cqcactacca	ttcatcacta	gtggcactta	cacctgcaca	840
320	aatggagtgc	ttcttgactc	togotgtgac	tacagctgtt	ccagtggcta	ccacctggaa	91111
1137	ggtgat.cgca	gccgaatctg	catggaagat	gggagatgga	gtggaggcga	geetgtatgt	960
11101	gtagacatag	atccccccaa	gateegetgt	ccccactcac	gtgagaagat	ggcagagcca	1020
393	gagaaattga	ctactcaaqt	atactgggac	ccaccgttgg	tgaaagattc	tgctgatggt	1080
324	accatcacca	gggtgacact	teggggeeet	gagcctggct	ctcactttcc	cgaaggagag	1140
2.45	catgtgattc	gttacactgc	ctatgaccga	gcctacaacc	gggccagetg	caagttcatt	1200
236	gtgaaagtac	aagtgagacg	ctgcccaact	ctgaaacctc	cgcagcacgg	ctacctcacc	1260
2.27	tgcacctcag	cgggggacaa	ctatggtgcc	acctgtgaat	accactgtga	tggcggttat	1320
2.28	gategeeagg	ggacaccctc	ccgggtctgt	cagtccagcc	gccagtggtc	aggttcacca	1380
2.29	ccaatctqtq	ctcctatgaa	gattaacgtc	aacgtcaact	cagetgetgg	tctcttggat	1440
2.30	caattctatq	agaaacagcg	actcctcatc	atctcagctc	ctgatccttc	caaccgatat	1500
131	tataaaatgo	agatetetat	gctacagcaa	tccacctgtg	gactggattt	geggeatgtg	1560
332	accatcattq	aactggtggg	acagccacct	caggaggtgg	ggcgcatccg	ggagcaacag	1620
233	ctatcaacca	acatcatcga	ggagctcagg	caatttcagc	geeteacteg	ctcctacttc	T080
234	aacatggtgt	tgattgacaa	gcagggtatt	gaccgagacc	gctacatgga	acctgtcacc	1740
235	сседаддааа	tcttcacatt	cattgatgac	tacctactga	gcaatcagga	gttgacccag	1800
236	categggage	aaaqqqacat	atgcgagtga	acttgagcca	gggcatggtt	aaagtcaagg	1860
.:37	gaaaaget.cc	totagttago	tgaaactggg	acctaataaa	aggaggaaat	gttttcccac	TA50
238	agttctaggg	acaggactct	gaggtgggtg	agtttgacaa	atcctgcagt	gtttccaggc	1980
239	atcettttag	gactgtgtaa	tagtttccct	agaagctagg	tagggactga	ggacaggcct	2040
240	tagacagtag	gttgggggta	gaagttcttc	ctttcctaac	ccgggcccct	geceagetet	2100
241	ccaaaqtett	tcagaaaagt	aaatcctaaa	ttcagtgaaa	aaaaaaaaa	aa	2152
	<210> SEQ 3						
	<211> LENG						
	<212> TYPE						
	<213> ORGAI		sapiens				
	<220> FEATU						
250	<221> NAME,	/KEY: misc_:	feature				
251	<223> OTHE	R INFORMATIO	ON: Incyte	ID No: 2616:	269CB1		
253	<400> SEOU	ENCE: 5					
254	cacqcqqtca	ggcttgggcc	gacatcgcgg	ggacaggggt	ggccatggcg	gctcgggagt	60
155	caactaccca	cccaaccaca	agacctacac	tctggcgcct	gccggaggag	ctgctgctgc	120
256	teatetgete	ctacctggac	atgcgggccc	teggeegeet	ggcccaggtg	tgccgctggc	180
257	tacaacactt	caccagetge	gatetgetet	ggcgccggat	agcccgggcc	togotoaact	240
258	coggetteac	geggetegge	accgacctga	tgaccagtgt	cccagtgaag	gaacgagtga	300
.159	augtgtctca	gaactggaga	ctggggcgct	gccgagaggg	gattctgctg	aagtggagat	360
260	gcagtcagat	gccctggatg	cagctagagg	atgattctct	gtacatatcc	caggctaatt	420
261	teatectgge	ctaccagttc	cgtccagatg	gtgccagctt	gaatcgtcgg	cctctgggag	480
262	tetttqctqq	gcatgatgag	gacgtttgcc	actttgtgct	ggccaactcg	catattgtta	540
263	qt.qcaqqaqq	ggatgggaag	attggcattc	ataagattca	cagcaccttc	actgtcaagt	600
264	acteggetea	tgaacaggag	gtgaactgtg	tggattgcaa	agggggcatc	attgtgagtg	660
.165	get.ecaggga	caggacggcc	aaggtgtggc	ctttggcctc	aggooggotg	gggcagtgct	/20
266	tacacaccat	ccagactgaa	gaccgagtct	ggtccattgc	tatcagccca	ttactcagct	780
267	cttttgtgac	agggacggct	tgttgcgggc	acttctcacc	cctgagaatc	tgggacctca	840

07/889, 617 6

*<210> 7

<211> 464

<212> PRT

<213> Rattus norvegicus

<300>

<300: <308 GenBank ID No: g1345423 (3097 - this and its respecte are mardatory wherein (3087 has a <400 > 7

same enn in Jegs 8-9

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/889,617

DATE: 08/26/2002 TIME: 14:07:24

Input Set : A:\pf066lusn_seqlist.txt
Output Set: N:\CRF3\08262002\I889617.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

L:319 M:256 W: Invalid Numeric Header Field, Identifier ·309> Expected, SEQ:7 L:392 M:256 W: Invalid Numeric Header Field, Identifier ·309> Expected, SEQ:8 L:441 M:256 W: Invalid Numeric Header Field, Identifier ·309> Expected, SEQ:9